

# Mahoning County Injury Profile

## Injury Deaths (2000-2011)

	Mahoning County (rates per 100,000)			
	2000-2002	2003 - 2005	2006 - 2008	2009-2011
Homicide	12.3	10.2	15.4	10.6
Suicide	13.0	11.7	11.3	11.4
Unintentional Injury	28.1	32.3	39.1	47.4

### Descriptive Notes:

- Homicide rates fluctuated throughout the study period.
- Suicide rates decreased from 2000-2002 to 2003-2005 then did not change in 2006-2011.
- Unintentional injury death rates steadily increased in 2000-2011.

## Injury Hospitalizations (2003-11)

	Mahoning County (rates per 100,000)									
	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Assault	+	+	+	+	+	25	29	33	25	
Self-Harm	+	+	+	+	+	70	62	54	55	
Unintentional Injury	+	+	+	+	+	334	390	352	344	

### Descriptive Notes:

- Hospitalization rates associated with assaults increased while self-harm decreased in 2008 through 2011.
- Unintentional injury rates increased from 2008 to 2009 then decreased in 2010-11.
- (+) Rates are suppressed in 2002-2007 due to external cause of injury coding rates well below the state average (< 65 percent).

## Injury Emergency Department Visits (2003-11)

	Mahoning County (rates per 100,000)									
	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Assault	+	+	+	+	+	467	591	606	616	
Self-Harm	+	+	+	+	+	66	81	109	110	
Unintentional Injury	+	+	+	+	+	11,106	12,762	12,990	13,068	

### Descriptive Notes:

- ED visit rates resulting from assaults and unintentional injuries increased from 2008 to 2009 then leveled off in 2011.
- ED visit rates associated with self-harm increased in 2008 through 2011.
- (+) Rates are suppressed in 2002-2007 due to external cause of injury coding rates well below the state average (< 67 percent).



### Injury Cost Estimates for Mahoning County:

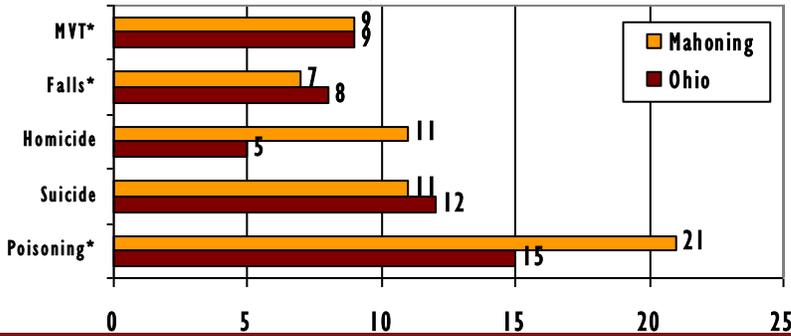
- Fatal and non-fatal injuries cost\* \$459 million in medical care and work loss in 2011.
- Injuries cost on average \$1,934 per Mahoning County resident in 2011.

\*Costs are reported in 2005 U.S. dollars and based on national estimates for average cost of injury deaths, hospitalizations, and ED visits developed by the Centers for Disease Control and Prevention.

# Leading Injuries by Severity

## Injury Deaths (2009-2011)

**Injury Deaths (Five Leading Causes)**  
Rates per 100,000

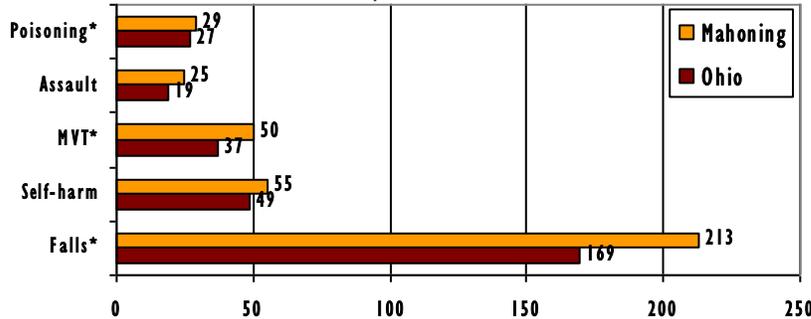


### Descriptive Notes:

- Unintentional poisonings, suicide, homicide, falls and motor vehicle traffic crashes were the leading causes of injury deaths in 2009-2011.
- Unintentional poisoning and homicide rates were higher than the state average.
- Motor vehicle traffic crashes rate was similar to the state average.
- Falls and suicides were lower than the state average.

## Injury Hospitalizations (2011)

**Injury Hospitalizations (Five Leading Causes)**  
Rates per 100,000

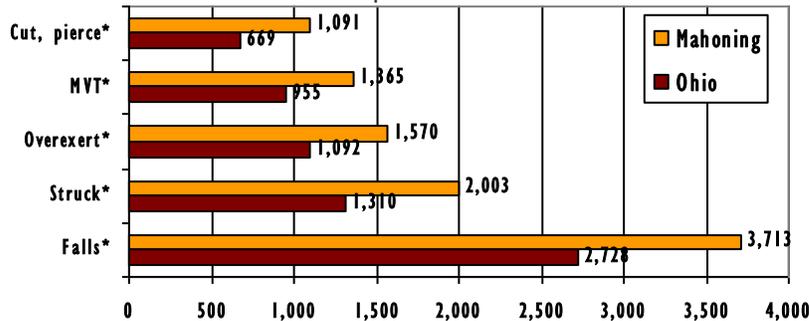


### Descriptive Notes:

- Falls, self-harm, motor vehicle traffic crashes, assaults and poisoning were the leading causes of injury hospitalizations among Mahoning County residents.
- Hospitalization injury rates were higher among Mahoning County residents than the state average for all 5 leading causes of injury.

## Injury Emergency Department Visits (2011)

**Injury Emergency Department Visits (Five Leading Causes)**  
Rates per 100,000



### Descriptive Notes:

- Falls, struck by/against, overexertion, motor vehicle traffic crashes and cuts or pierces were the leading causes of injury ED visits among Mahoning County residents.
- ED visit injury rates were higher among Mahoning County residents than the state average for all 5 leading causes of injury.



### Every day in Mahoning County:

- 1 person dies from an injury.
- 5 hospitalizations are caused by an injury.
- 95 ED visits are caused by an injury.

# Leading Injuries by Age

## Child/Young Adult (0-24 Years)

	Deaths		Hospitalizations		Emergency Department Visits			
	Number (2009-2011)	Annual Rate Per 100,000	Number (2011)	Annual Rate Per 100,000	Number (2011)	Annual Rate Per 100,000		
Poisoning*	10	4.7	Poisoning*	17	24.1	Overexert*	1,152	1,630.5
Suicide	9	+	Self-Harm	28	39.6	Struck*	2,545	3,602.1
Falls*	0	0.0	Falls*	10	14.2	Falls*	3,179	4,499.4
MVTC*	21	9.9	MVTC*	25	35.4	MVTC*	1,094	1,548.4
Homicide	24	11.3	Assault	21	29.7	Cut, pierce*	930	1,316.3

## Adult (25-64 Years)

	Deaths		Hospitalizations		Emergency Department Visits			
	Number (2009-2011)	Annual Rate Per 100,000	Number (2011)	Annual Rate Per 100,000	Number (2011)	Annual Rate Per 100,000		
Poisoning*	125	33.7	Poisoning*	38	30.6	Overexert*	2,029	1,632.4
Suicide	67	18	Self-Harm	85	68.4	Struck*	1,440	1,158.5
Falls*	20	5.4	Falls*	129	103.8	Falls*	3,515	2,827.9
MVTC*	32	8.6	MVTC*	74	59.5	MVTC*	1,704	1,370.9
Homicide	38	10.2	Assault	32	25.7	Cut, pierce*	1,253	1,008.1

## Older Adult (65+ Years)

	Deaths		Hospitalizations		Emergency Department Visits			
	Number (2009-2011)	Annual Rate Per 100,000	Number (2011)	Annual Rate Per 100,000	Number (2011)	Annual Rate Per 100,000		
Poisoning*	6	+	Poisoning*	12	28.4	Overexert*	208	491.5
Suicide	11	8.8	Self-harm	6	+	Struck*	191	451.3
Falls*	52	41.6	Falls*	625	1,477	Falls*	2,193	5,182.2
MVTC*	12	9.6	MVTC*	23	54.4	MVTC*	191	451.3
Homicide	6	+	Assaults	0	0	Cut, pierce*	231	545.9

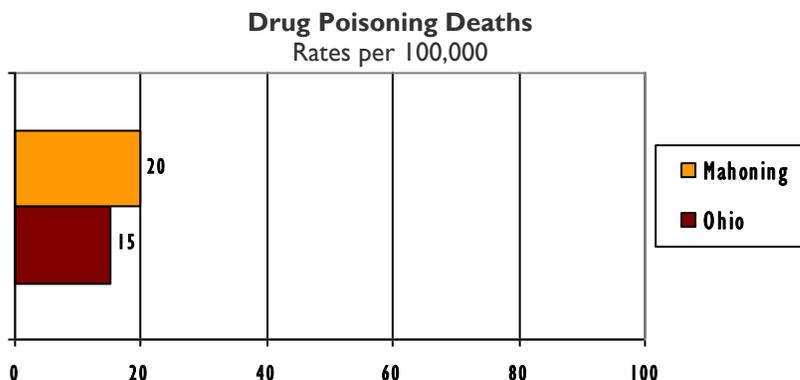


### Technical Notes

- Mechanisms noted with an (\*) are unintentional injuries.
- All rates are age-adjusted and expressed as injuries per 100,000 people.
- Differences between the county and state are noted when differences in rates are at or more than +/- 10 percent.
- MVTC refers to occupants of motor vehicle traffic crashes.
- (+) Rates suppressed due to counts of less than 10.
- All rates on pages 1, 2, and 4 are age adjusted to the 2000 U.S. standard population.

# Drug Poisoning

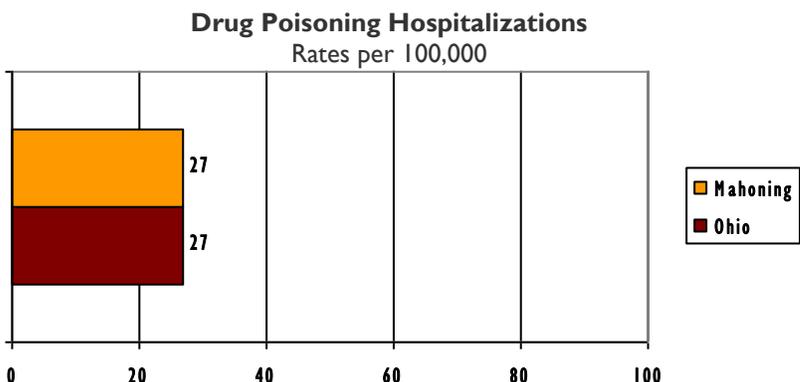
## Drug Poisoning Deaths (2009-2011)



### Descriptive Notes:

- 132 Mahoning County residents died from an unintentional drug poisoning in 2009-2011.
- Unintentional drug poisoning death rate was higher among Mahoning County residents than the state average.

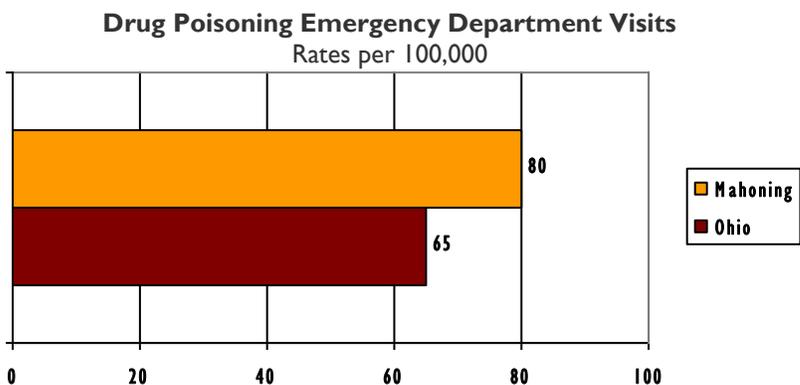
## Drug Poisoning Hospitalizations (2011)



### Descriptive Notes:

- 62 hospitalizations resulted from unintentional drug poisoning among Mahoning County residents in 2011.
- Unintentional drug poisoning hospitalization rate was similar among Mahoning County residents to the state average.

## Drug Poisoning Emergency Department Visits (2011)



### Descriptive Notes:

- 171 ED visits resulted from unintentional drug poisoning among Mahoning County residents in 2011.
- Unintentional drug poisoning ED visit rate was higher among Mahoning County residents than the state average.



### In Mahoning County:

- 4 people die every month from an unintentional drug poisoning.
- 5 hospitalizations are caused every month by an unintentional drug poisoning.
- 14 ED visits are caused every month by an unintentional drug poisoning.